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(54) Title: DISTRIBUTED SPEECH RECOGNITION

(57) Abstract: Distributed Speech Recognition (DSR) systems comprise terminals having a complex preprocessing unit and a network having a final processing unit. By leaving a Fast Fourier Transformation (FFT) together with a filtering function and a compression in said preprocessing unit and by shifting both a nonlinear transformation as well as a Discrete Cosine Transformation (DCT) from said preprocessing unit into said final processing unit, where both follow decompression, said terminals are of a lower complexity. By using a MEL-filter (melody-filter) which preferably is adaptable, said low complex terminals are made more flexible.